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Attorney's Docket No.: 17646-180001 / 19980044

Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

1 -2. (Cancelled)

3. (Currently Amended) A computer system, comprising:

a client component;

a server component comprising ~~a dynamic link library, said~~an object represented in a dynamic link library file, the client component arranged to make requests to ~~said~~the server component during execution of ~~said~~the client component;

a request archive component, maintaining a representation of requests which can be satisfied by ~~said~~the server component; and

a request intercepting component, arranged to intercept requests from ~~said~~the client component to ~~said~~the server component, and to determine from ~~said~~the representation whether a request is supported by ~~said~~the server component; and

~~such that said~~wherein the request intercepting component is arranged to search external sources to locate and provide to ~~said~~the server component an executable implementation of functionality required for ~~said~~the server component to support ~~said~~the request when said request is not currently supported;

~~such that said~~wherein the request intercepting component thereafter invokes ~~said~~the request on ~~said~~the server component in a manner hidden from ~~said~~the client component; and

~~such that said server component comprises an object represented in said dynamic link library file in at least one computer program;~~

~~such that said~~wherein the request intercepting component searches for ~~said~~the dynamic link library file, or an updated version of ~~said~~the dynamic link library file if a current version of ~~said~~the dynamic link library file held on ~~said~~the computer system does not provide the functionality of ~~said~~the server component.

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4 -7. (Cancelled)

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8. (Currently Amended) A computer system, comprising:

- a client component;
- a server component comprising ~~a dynamic link library, said~~ an object represented in a dynamic link library file, the client component arranged to make requests to ~~said~~ the server component during execution of ~~said~~ the client component;
- a request archive component, including a representation of requests which can be satisfied by ~~said~~ the server component; and
- a request intercepting component, intercepting requests from ~~said~~ the client component to ~~said~~ the server component, and determining from ~~said~~ the representation if a request is supported by ~~said~~ the server component; ~~said~~ the request intercepting component being arranged to search external sources to locate and provide to ~~said~~ the server component an executable implementation of functionality required for ~~said~~ the server component to support ~~said~~ the request if ~~said~~ the request is not currently supported; and for thereafter invoking ~~said~~ the request on ~~said~~ the server component in a manner hidden from ~~said~~ the client component; and

~~such that said server component comprises an object represented in said dynamic link library file in at least one computer program;~~

~~such that said~~ wherein the request intercepting component searches for ~~said~~ the dynamic link library file, or an updated version of ~~said~~ the dynamic link library file if a current version of ~~said~~ the dynamic link library file held on ~~said~~ the computer system does not provide the functionality of ~~said~~ the server component.

9-10. (Cancelled)

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11. (Currently Amended) A computer system comprising:

- a client component comprising a software program;
- a server component comprising an object represented in the operating system shell called by said the software program, ~~such that said wherein the~~ client component is arranged to make requests to said the server component during execution of said the client component;
- a request archive component for maintaining a representation of requests which can be satisfied by said the server component; and
- a request intercepting component comprising a command interpreter, arranged to intercept requests from: said the client component to said the server component, and to determine from said the representation whether a request is supported by said the server component;

~~such that said wherein the~~ request intercepting component is arranged to search external sources to locate and provide to said the server component an executable implementation of functionality required for said the server component to support said the request when said the request is not currently supported;

said wherein the request intercepting component thereafter ~~invokes~~ said invokes the request on said the server component in a manner hidden from said the client component; and

~~such that said server component comprises an object represented in said operating system shell called by said software program;~~

~~such that said wherein the~~ request intercepting component searches for said the operating system shell, or an updated version of said the operating system shell if a current version of said the operating system shell held on said the computer system does not provide the functionality of said the server component.

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12. (Currently Amended) A computer system comprising:

- a client component, comprising a software program;
- a server component comprising an object represented in the operating system shell called by said the software program, ~~such that said wherein the~~ client component is arranged to make requests to said the server component during execution of said the client component;
- a request archive component for maintaining a representation of requests which can be satisfied by said the server component; and
- a request archive component maintaining a representation of requests which can be satisfied by said the server component; and
- a request intercepting component, for intercepting requests from said the client component to said the server component, and for determining from said the representation whether a request is supported by said the server component; said the intercepting means comprising a command interpreter and being arranged to search external sources to locate and provide to said the server component an executable implementation of functionality required for said the server component to support said the request when said the request is not currently supported; and for thereafter invoking said the request on said the server component in a manner hidden from said the client component; and

~~such that said server component comprises an object represented in said operating system shell called by said software program;~~

~~such that said wherein the~~ request intercepting component searches for said the operating system shell, or an updated version of said the operating system shell if a current version of said the operating system shell held on said the computer system does not provide the functionality of said the server component.

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13. (Currently Amended) A CORBA distributed computer system comprising:

- a client component, ~~said the~~ client component being an object of ~~said the~~ CORBA distributed computer system;
- a server component, ~~said the~~ server component being an object of ~~said the~~ CORBA distributed computer system, ~~such that said wherein the~~ client component is arranged to make requests to ~~said the~~ server component during execution of ~~said the~~ client component;
- a request archive component, maintaining a representation of requests which can be satisfied by ~~said the~~ server component; and
- a request intercepting component, comprising an object request broker arranged to intercept requests from ~~said the~~ client component to ~~said the~~ server component, and to determine from ~~said the~~ representation whether a request is supported by ~~said the~~ server component; and
~~such that said wherein the~~ request intercepting component is arranged to search external sources to locate and provide to ~~said the~~ server component an executable implementation of functionality required for ~~said the~~ server component to support ~~said the~~ request when ~~said the~~ request is not currently supported;
- ~~said the~~ request intercepting component thereafter invoking ~~said the~~ request on ~~said the~~ server component in a manner hidden from ~~said the~~ client component;
- ~~such that said server component is an object of said CORBA distributed computer system;~~
- ~~such that said wherein the~~ request intercepting component is invoked by the object request broker to search for ~~said the~~ object of ~~said the~~ CORBA distributed computer system, or an undated version of ~~said the~~ object of ~~said the~~ CORBA distributed computer system if a current version of ~~said the~~ CORBA distributed computer system does not Provide the functionality of ~~said the~~ server component.

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14. (Currently Amended) A CORBA distributed computer system comprising:

a client component, ~~said~~the client component being an object of the CORBA distributed computer system;

a server component, ~~said~~the server component being an object of the CORBA distributed computer system, ~~such that said~~wherein the client component is arranged to make request to ~~said~~the server component during execution of ~~said~~the client component;

a request archive component, maintaining a representation of requests which can be satisfied by ~~said~~the server component; and

a request intercepting component, intercepting requests from ~~said~~the client component to ~~said~~the server component, and for determining from ~~said~~the representation whether a request is supported by ~~said~~the server component; ~~said~~the request intercepting component comprising a command interpreter and being arranged to search external sources to locate and provide to ~~said~~the server component an executable implementation of functionality required for ~~said~~the server component to support ~~said~~the request when ~~said~~the request is not currently supported; and for thereafter invoking ~~said~~the request on said server component in a manner hidden from ~~said~~the client component; and

~~such that said server component is an object of said CORBA distributed computer system;~~

~~such that said~~wherein the request intercepting component is invoked by the object request broker to search for ~~said~~the object of said CORBA distributed computer system, or an updated version of ~~said~~the object of said CORBA distributed computer system if a current version of ~~said~~the CORBA distributed computer system does not provide the functionality of ~~said~~the server component.

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15. (Currently Amended) A computer system comprising:

a client component;

a server component, comprising a protocol ~~interpreter, such that said~~interpreter arranged to make request based on an expected vocabulary, wherein the client component is arranged to make requests to ~~said the~~ server component during execution of ~~said the~~ client component;

a request archive component, maintaining a representation of requests which can be satisfied by ~~said the~~ server component; and

a request intercepting component, arranged to intercept requests from ~~said the~~ client component to said server component, and to determine from ~~said the~~ representation whether a request is supported by ~~said the~~ protocol interpreter of ~~said the~~ server component; and

~~such that said wherein the~~ request intercepting component is arranged to search external sources to locate and provide to ~~said the~~ server component an executable implementation of functionality required for ~~said the~~ server component to support ~~said the~~ request when said request is not currently supported;

~~such that said wherein the~~ request intercepting component thereafter invokes ~~said the~~ request on ~~said the~~ server component in a manner hidden from ~~said the~~ client component; and

~~such that said server component comprises a protocol interpreter arranged to make request based on an expected vocabulary of the server component;~~

~~such that said wherein the~~ request intercepting component searches for ~~said the~~ request, or loads the request into the vocabulary of the server component by ~~said the~~ protocol interpreter if a current version of ~~said the~~ request does not provide the functionality of ~~said the~~ server component.

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16. (Currently Amended) A computer system comprising:

a client component;

a server component, comprising a protocol ~~interpreter, such that said~~interpreter arranged to make request based on an expected vocabulary, wherein the client component is arranged to make request to ~~said~~the server component during execution of ~~said~~the client component;

a request archive component, maintaining a representation of requests which can be satisfied by ~~said~~the server component; and

a request intercepting component, intercepting requests from ~~said~~the client component to ~~said~~the server component, and determining from ~~said~~the representation whether a request is supported by ~~said~~the protocol interpreter of ~~said~~the server component; ~~said~~the request intercepting component being arranged to search external sources to locate and provide to ~~said~~the server component an executable implementation of functionality required for ~~said~~the server component to support ~~said~~the request when ~~said~~the request is not currently supported; and for thereafter invoking ~~said~~the request on ~~said~~the server component in a manner hidden from ~~said~~the client component; and

~~such that said server component comprises a protocol interpreter arranged to make request based on an expected vocabulary of the server component;~~

~~such that said~~wherein the request intercepting component searches for ~~said~~the request, or loads the request into the vocabulary of the server component by ~~said~~the protocol interpreter if a current version of ~~said~~the request does not provide the functionality of ~~said~~the server component.

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17. (Currently Amended) A component based computer system comprising:

a client component;

a server component comprising a local service ~~manager, such that said~~manager with a set of services known to be present on the server component, wherein the client component is arranged to make requests to said the server component during execution of said the client component;

an archive request component for maintaining a representation of requests which can be satisfied by said the server component; and

a request intercepting component, arranged to intercept requests from said the client component to said the server component, and to determine from said the representation whether a request is supported by said the local service manager of said the server component; and

~~such that said~~wherein the request intercepting component is arranged to search external sources to locate and provide to said the server component an executable implementation of functionality required for said the server component to support said request when said the request is not currently supported;

~~such that said~~wherein the request intercepting component thereafter invokes said the request on said the server component in a manner hidden from said the client component; and

~~such that said server component comprising a local service manager comprises a set of services known to be present on the server component;~~

~~such that said~~wherein the request intercepting component uses the local service manager to search for an implementation of the requested service, or an updated version of the requested service if a current version of the requested service held on said the computer system does not provide the requested functionality of said the server component.

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18. (Currently Amended) A component based computer system comprising:
a client component;
a server component, comprising a local service ~~manager, such that said~~manager with a set of services known to be present on the server component, wherein the client component is arranged to make request to ~~said~~the server component during execution of ~~said~~the client component;
an archive request component, maintaining a representation of requests which can be satisfied by ~~said~~the server component; and
a request intercepting component, intercepting requests from ~~said~~the client component to ~~said~~the server component, and determining from ~~said~~the representation whether a request is supported by ~~said~~the local service manager of ~~said~~the server component; ~~said~~the request intercepting component being arranged to search external sources to locate and provide to ~~said~~the server component an executable implementation of functionality required for ~~said~~the server component to support ~~said~~the request when ~~said~~the request is not currently supported; and for thereafter invoking ~~said~~the request on ~~said~~the server component in a manner hidden from ~~said~~the client component; and
~~such that said server component comprising a local service manager comprises a set of services known to be present on the server component;~~
~~such that said~~wherein the request intercepting component uses the local service manager to search for an implementation of the requested service, or an updated version of the requested service if a current version of the requested service held on ~~said~~the computer system does not provide the requested functionality of ~~said~~the server component.